(No Model.)

I. M. APPEL.

OVERALLS.

No. 440,988. Patented Nov. 18, 1890.

Fig. 1.

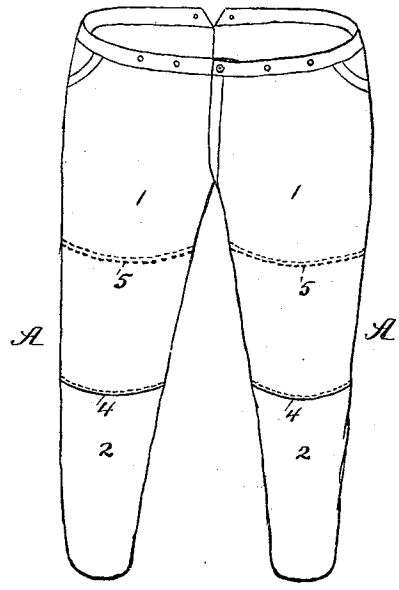


Fig. 3.

Fig. 2.

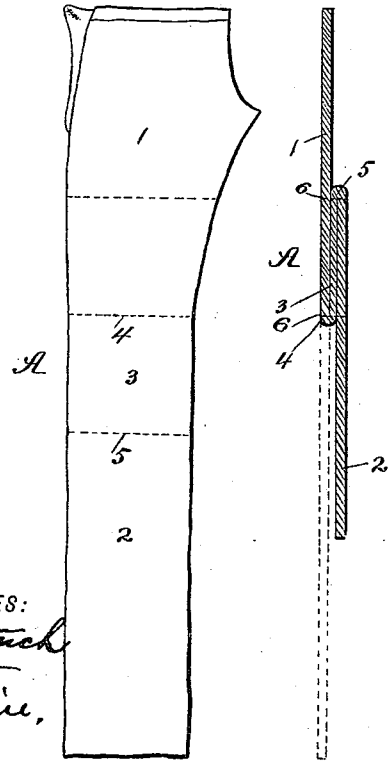
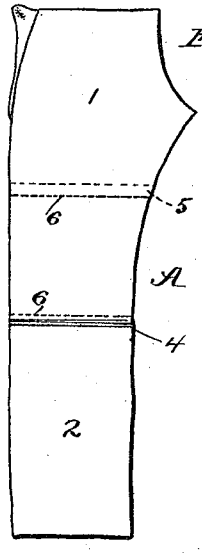


Fig. 4.



WITNESSES:

Fred G. Dretsch

P. B. Turpin.

INVENTOR

Isaac M. Appel.

BY Munn & Co

ATTORNEY

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ISAAC M. APPEL, OF BALTIMORE, MARYLAND.

OVERALLS.

SPECIFICATION forming part of Letters Patent No. 440,988, dated November 18, 1890.

Application filed May 17, 1890. Serial No. 352,252. (No model.)

To all whom it may concern:

Be it known that I, ISAAC M. APPEL, of Baltimore city, in the State of Maryland, have invented a new and useful Improvement in Overalls, of which the following is a specification.

My invention is an improvement in overalls, and particularly in the special construction by which the leg-fronts or front portions of the legs are re-enforced; and the invention consists in certain novel constructions and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In the drawings, Figure 1 is a perspective elevation of the front of a pair of overalls constructed according to my invention. Fig. 2 is a detail front view of one of the lengths forming the leg-front before the same is folded. Fig. 3 is a sectional view of the leg-front, dotted lines being employed to represent the extended portion of the front-blank, which has been folded up; and Fig. 4 is a detail view of the leg-front.

By my invention I form the leg-fronts A of single lengths of material, and so fold such lengths of material as to provide re-enforced portions in the leg-front extending from above the knee past and to a point below the knee portion of the leg. The advantages of re-enforcing the knee portions and for a short distance above and below are well recognized, and I seek to effect such re-enforcing in a simple and convenient manner. To this end I make the blank, as shown in Fig. 2, sufficiently long to provide a triple thickness extending from above the knee to a point below the same, and I fold the length of material upon itself to properly provide the re-enforce. In the construction shown the folded leg-front forms practically three sections 1, 2, and 3—the upper section 1, lower section 2, and connecting-section 3—sections 1 and 2 lapping each other at their meeting ends, and the section 3 connecting the upper end of the lower section with the lower end of the upper section and being arranged between the lapped portions of the sections 1 and 2. This is clearly shown in Fig. 3, and is indicated in the other figures.

In folding the leg-front I make a fold at 4 at a point below the knee, extend the section 3 up from such fold to a point above the knee, where I make a second fold 5, and extend the section 2 down from such fold. The parts 1, 2, and 3 are connected at the fold by stitching, as shown at 6, or in other suitable manner.

By the described construction it will be seen that I provide a triple thickness of the material at and above and below the knee and provide such thicknesses in a convenient simple manner.

It will be understood that I much prefer to fold the length of material, as shown, so that the outside of the leg will present or show no fold above the knee, but will extend smoothly down to a point below the knee, the upper fold 5 being inside the leg and the lower fold outside, as shown.

Having thus described my invention, what I claim as new is—

1. As an improved article of manufacture, an overall having the front portion of its leg or legs provided with folds forming the upper and lower sections lapping each other at their adjacent ends and the intermediate or connecting sections connecting the lower end of the upper section with the upper end of the lower section, the folds at the junction of the intermediate section with the lower and upper sections being, respectively, above and below the knee and the lower and the connecting sections being lapped under the upper section, whereby the outer section will present or expose no fold above the knee, but will extend smoothly down to a point below the knee, the said section being held in lapped relation, all substantially as and for the purpose set forth.

2. An improved overall having the front portion of its leg or legs folded upon itself at points above and below the knee providing the upper, lower, and connecting sections, such sections being extended between the said folds and past the knee and being secured in lapped relation, all substantially as described, whereby to form a triple thickness at and adjacent to the knee portion of the overall-front, substantially as and for the purpose set forth.

ISAAC M. APPEL.

Witnesses:
SIMON JACOBSON,
JOSEPH ADELSDERF.